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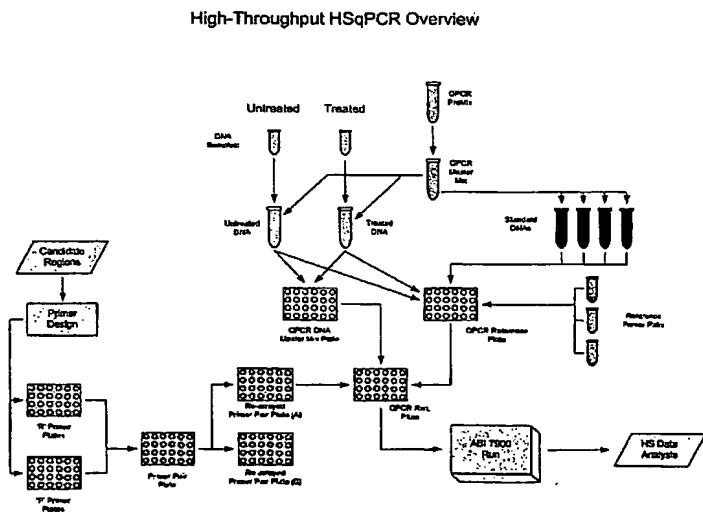
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(54) Title: PROFILED REGULATORY SITES USEFUL FOR GENE CONTROL



(57) Abstract: The invention provides methods for quantitative profiling of chromatin sensitivity to a DNA modifying agent. The invention also relates to methods for identifying regulatory sites in a genomic locus and to methods for determining chromatin architecture in a genomic locus. Regulatory site profiles associated with specific genes are particularly useful for discovery of medicinal agents, other genomic sequences involved in gene regulation, and regulatory mechanisms that are involved in health and disease. The regulatory sequence profiles also are highly valuable when used by computer programs for comparing known and unknown genetic sequences by a large variety of experimental and computer manipulations.



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